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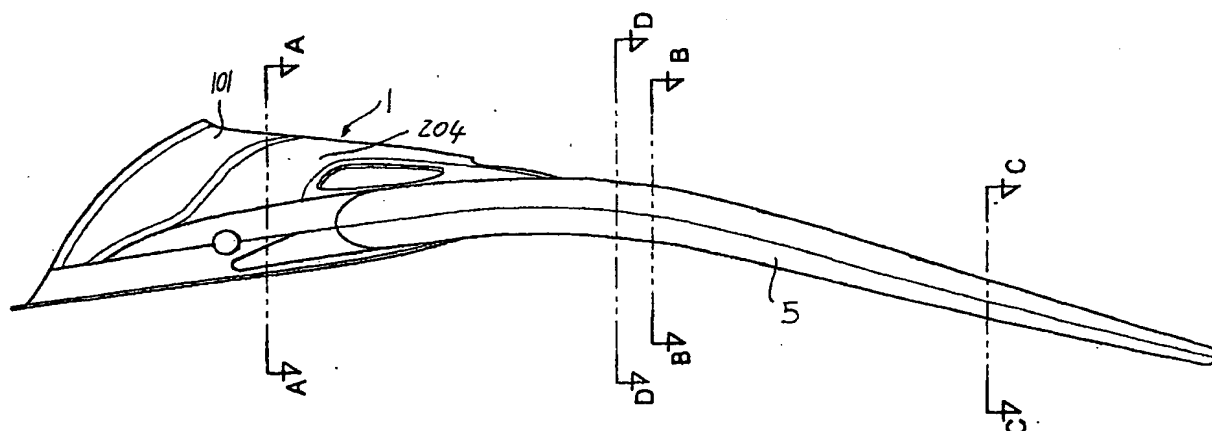
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(54) **Swim and scuba fin**

(57) The invention relates to a swim fin, comprising a seat for the foot, the so-called footpocket (1) and a propelling blade (102, 202), the fin being composed of at least two materials, whereof one is comparatively rigid and substantially inextensible and the other is comparatively soft, i.e. has a different rigidity and/or is ex-

tensible. According to the invention, the at least one comparatively rigid material forms a frame (4) for the blade (102, 202) and/or footpocket (1), designed to be overmolded with the part/s (101, 201, 301, 302, 402, 502, 105) made of the at least one comparatively soft material, which complete and/or connect and/or cover, at least partly, the parts of the frame (4).



*Fig. 1*

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# PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 01 12 2904 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION: (Int.Cl.7)
X	EP 0 607 568 A (HTM SPORT SPA) 27 July 1994 (1994-07-27)	1,2,8,9, 13,14, 16-20, 25,26 4-7,38	A63B31/11
A	* column 2, line 6 - line 31 * ---		
X	EP 0 579 046 A (TECHNISUB SPA) 19 January 1994 (1994-01-19) * column 5, line 27 - line 46; figures * ---	1,2	
X	US 5 304 081 A (TAKIZAWA RYOJI) 19 April 1994 (1994-04-19)	1,2,8, 10,16-20 38	
A	* column 3, line 4 - line 54; figures * ---		
X	EP 0 308 998 A (AMF MARES SPA) 29 March 1989 (1989-03-29) * column 2, line 24 - column 3, line 9; figure *	1,2,8, 11,18-20	
A	EP 0 436 927 A (TECHNISUB SPA) 17 July 1991 (1991-07-17) * column 5, line 18 - line 31 * ---	3	
	-/-		
<b>INCOMPLETE SEARCH</b> The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for these claims. Claims searched completely : 1-28,38-40 Claims searched incompletely :  Claims not searched : 41 Reason for the limitation of the search: EPC Rule 29(6) - References to the description or drawings.			
Place of search		Date of completion of the search	Examiner
THE HAGUE		27 November 2001	Mark Jones
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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## PARTIAL EUROPEAN SEARCH REPORT

Application Number  
EP 01 12 2904

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	DD 259 353 A (SENFTEBERG VE BKK) 24 August 1988 (1988-08-24) * claim; figures * -----	12,38	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)

EPO FORM 1503 03.82 (P04C10)

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 01 12 2904

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The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-11-2001

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0607568	A	27-07-1994	IT	1261894 B	03-06-1996
			AT	168027 T	15-07-1998
			DE	69319571 D1	13-08-1998
			DE	69319571 T2	05-11-1998
			EP	0607568 A1	27-07-1994
			JP	6233835 A	23-08-1994
			US	5443593 A	22-08-1995
EP 0579046	A	19-01-1994	IT	1257385 B	15-01-1996
			DE	69306053 D1	02-01-1997
			DE	69306053 T2	15-05-1997
			EP	0579046 A1	19-01-1994
			ES	2097398 T3	01-04-1997
			GR	3021863 T3	31-03-1997
			JP	6178828 A	28-06-1994
US 5304081	A	19-04-1994	FR	2689404 A1	08-10-1993
			IT	1277987 B1	12-11-1997
EP 0308998	A	29-03-1989	AT	43971 T	15-06-1989
			AT	85529 T	15-02-1993
			AU	577850 B2	06-10-1988
			AU	4189885 A	07-11-1985
			DE	3570984 D1	20-07-1989
			DE	3587095 D1	25-03-1993
			DE	3587095 T2	26-08-1993
			DE	160261 T1	21-07-1988
			EP	0160261 A2	06-11-1985
			EP	0308998 A2	29-03-1989
			JP	1582268 C	11-10-1990
			JP	2007672 B	20-02-1990
			JP	60259280 A	21-12-1985
US 4887985	A	19-12-1989	US	4887985 A	19-12-1989
			US	4738645 A	19-04-1988
EP 0436927	A	17-07-1991	IT	1242280 B	03-03-1994
			AT	91422 T	15-07-1993
			DE	69002225 D1	19-08-1993
			DE	69002225 T2	03-02-1994
			EP	0436927 A1	17-07-1991
			ES	2044394 T3	01-01-1994
			JP	4314461 A	05-11-1992
			JP	8022318 B	06-03-1996
			US	5163859 A	17-11-1992

EPO FORM P468

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 2904

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The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-11-2001

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DD 259353 A	24-08-1988	DD 259353 A1	24-08-1988
-----			

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82